#### DEPARTMENT OF THE NAVY

### COMMANDING OFFICER, NAVAL AIR STATION, WHIDBEY ISLAND

3730 NORTH CHARLES PORTER AVENUE (98278-5000)

# COMMANDING OFFICER, NAVAL PACIFIC METEOROLOGY AND OCEANOGRAPHY FACILITY 3730 NORTH CHARLES PORTER AVENUE (98278-5300)

#### OAK HARBOR, WASHINGTON

NASWHIDBEY/NPMOFWHIDBEYINST 3140.1B N3:As 28 Feb 2000

#### NASWHIDBEY/NPMOFWHIDBEY INSTRUCTION 3140.1B

Subj: NAVAL AIR STATION (NAS) WHIDBEY ISLAND HAZARDOUS WEATHER CONDITIONS OF READINESS

Ref: (a) OPNAVINST 3140.24E

Encl: (1) Hazardous Weather Phenomena Definitions

- (2) Hazardous Weather Conditions of Readiness
- (3) Hazardous Weather Conditions of Readiness Requirements
- (4) Local Conditions of Readiness
- (5) NAS Command Duty Officer (CDO) Notification List
- 1. <u>Purpose</u>. To provide detailed site-specific procedures per reference (a). This instruction has been substantially revised and should be reviewed in its entirety.
- 2. Cancellation. NASWHIDBEY/NPMOFWHIDBEYINST 3140.1A
- 3. <u>Discussion</u>. The importance of effective preparation for hazardous weather cannot be overstated, see enclosure (1). Weather Advisories/Warnings are issued by the Naval Pacific Meteorology and Oceanography Facility (NPMOF) as environmental situations develop and are forecast. Conditions of Readiness are set by NAS Whidbey Island, Operations Department, based on meteorological advisories/warnings to activate operational procedures to shelter personnel, facilities, and resources from such threat.
- 4. Action. Commanding Officers/Officers in Charge will maintain a hazardous/heavy weather instruction that shall provide maximum safety for naval personnel and property within their respective areas of responsibility. Each hazardous/heavy weather instruction will detail specific states of readiness in response to the Conditions of Readiness listed in enclosure (2). A copy of each instruction will be sent to NAS Operations Duty Officer (ODO).
- a. At a minimum, each hazardous/heavy weather instruction shall provide for the following:
- (1) Identify a position responsible for activity notification.

- (2) Identify who is to be notified for each Condition of Readiness.
- (3) Identify activity attainment reporting procedures to include preliminary and final reports to the NAS ODO.
- b. Attainment of Condition of Readiness shall include, but should not be limited to, the minimum requirements listed in enclosure (3).

## 5. Issuing Advisories, Warnings and Conditions

#### a. NPMOF:

(1) NPMOF Command Duty Officer will issue all Weather Advisories and/or Warnings.

NOTE: A warning is issued when a hazardous weather phenomena is forecast or actually occurring. An advisory is issued when there is a significant probability of the hazardous weather phenomena occurring.

- (2) NPMOF will post all warnings and advisories using the character generator channel 2, page 2. It is displayed on CCTV channel 7 as scrolling data. Warnings/advisories will also be displayed on the NPMOF Internet web site (www.naswi.navy.mil).
- (3) NPMOF Command Duty Officer will only recommend Conditions of Readiness pertaining to the Weather Advisory/Warning to the NAS ODO.
- b. NAS Whidbey Island: **The NAS ODO will set the appropriate Condition of Readiness** (refer to enclosure (2)), and make notifications per enclosure (4).

NOTE: Setting hazardous Conditions of Readiness for NAS Whidbey Island is based more on a reasonable possibility than a high probability of occurrence. This is an important distinction and is taken into account with the issuance of advisories (in lieu of warnings).

- c. NAS Whidbey Island Command Duty Officer (CDO) will make notifications per enclosure (5).
  - d. All activities and individual NAS departments shall:
- (1) Complete all actions listed in their respective hazardous/heavy weather instruction.

(2) Make activity attainment reports to NAS ODO as required.

/s/ M. E. DOTSON /s/ L. G. SALTER

Distribution: NASWHIDBEYINST 5215.2FF Lists A through E

#### HAZARDOUS WEATHER PHENOMENA DEFINITIONS

Thunderstorms: A small violent storm produced by a cumulonimbus cloud which may produce extremely heavy rain, gusts to 90 knots, frequent lightning, hail stones up to three inches in diameter, and possibly tornadoes and water spouts. Thunderstorms may develop within sight of the station and not have a threatening appearance until shortly before arrival, or may be embedded in and hidden by other clouds. Lightning strikes are common and unpredictable, they can cause serious/fatal injuries to people, detonate munitions and fuel and cause severe damage to electrical/electronic systems in close proximity.

Tornadoes/Waterspouts: A small, extremely violent, rotating storm. Tornadoes are characterized by a whirling, funnel-shaped cloud extending from a thunderstorm to the ground. Tornadic winds generally range from 100 to 250 knots, and have a ground speed of 22 to 34 knots.

Volcanic Ash Fallout: There are several semi-active volcanoes in the Pacific Northwest that may erupt with no notice and produce large ash clouds. The spreading and subsequent fallout produced by these ash clouds depend on the prevailing wind direction at cloud altitude. Because of the extremely fine size, ash penetration into unprotected/exposed equipment, machinery, and human lungs should be expected.

Ice, Snow, and Freezing Weather: Occasional periods during winter that cause hazardous driving/aircraft landing conditions, increase maintenance costs, and seriously inconvenience and disrupt normal operations.

- Freezing Temperatures: 32 degrees and below Fahrenheit.
- **Snow:** Precipitation composed of white or translucent ice crystals. Climotology indicates snow occurs 55 days per year/30 days in December and January with average stay on ground of two to six days.
- Freezing Precipitation: Rain/drizzle that freezes upon contact with ground or object (appears transparent).
  - Ice: Water on the ground that freezes in sheets.
- **Frost**: Frozen condensation formed on ground or object (appears opaque).

Hazardous Winds: Strong sustained winds with higher gusts, normally associated with a frontal system. Small craft winds are common from October through March, and have been known to cause

NASWHIDBEY/NPMOFWHIDBEYINST 3140.1B 28 Feb 2000

property damage and personal injury. All NAS activities will prepare for small craft conditions from October to March.

- Small Craft: Sustained winds 20 to 33 knots with gusts up to 45 knots.
- **Gale Force:** Sustained winds 34 to 47 knots with gusts up to 60 knots.
  - Storm Force: Sustained winds 48 knots or higher.

### HAZARDOUS WEATHER CONDITIONS OF READINESS

CONDITION	CRITERIA					
<pre>Thunderstorm 2 Thunderstorm 1 (Note 1)</pre>	Thunderstorm development is possible within 60 nm of NAS or within 6 hours. Thunderstorm is imminent or within 8 nm of NAS.					
Tornado 2 Tornado 1	Tornado development is possible within 8 nm of NAS or within 6 hours. Tornado is imminent or within 8 nm of NAS.					
Volcanic Ash 2 Volcanic Ash 1	Volcanic Ash fallout is possible over NAS within 24 hours. Volcanic Ash fallout is possible over NAS within 6 hours.					
Ice and Snow	Ice or Snow is forecast for NAS.					
Small Craft (Note 2)	Small Craft winds are forecast at NAS.					
Gale (Note 2)	Gale Force Winds are forecast at NAS.					
Storm (Note 2)	Storm Force Winds are forecast at NAS.					

NOTES: (1) Imminent is defined as hazardous weather predicted to occur within one hour on station or is observed within 8 nm of the station.

(2) For hazardous winds, the setting of a condition requires completion of preparations for all lesser conditions; e.g., Storm, when set, requires completion of action items for Small Craft, and Gale.

#### HAZARDOUS WEATHER CONDITIONS OF READINESS REQUIREMENTS

- 1. General Readiness Responsibilities. Heavy weather preparation of buildings and surrounding grounds is the responsibility of the building occupants or, if unoccupied, the responsibility of the units assigned to them. General precautions and preparations when notification of any condition is received include, but are not limited to:
  - a. Securing masts and antennas.
- b. Removal or securing loose gear (cans, benches, sheet metal, etc.).
- c. Policing the airfield and vicinity for material that could potentially become airborne projectiles.
  - d. Closing doors and windows.
  - e. Shoring light bulkheads.
  - f. Covering exposed materials to protect against rainfall.
- g. Conducting inspections to ensure that a fully secured status has been achieved and is maintained.
  - h. Securing/tying down aircraft.
- i. Taking adequate precautions to prevent freeze/snow damage to buildings and water systems.
  - j. Reporting attainment of conditions as required.
- 2. Specific Readiness Responsibilities. Unless specified below, Conditions of Readiness do not require actions to NAS, but serve as preparation for activities to be ready for more severe conditions. The following additional precautions shall be taken in response to the warning conditions:
  - a. Gale Condition. The ODO shall:
- (1) Stand by to recall/advise station aircraft, which are in flight, of increasing hazards issued by NPMOF.
  - (2) Stand by to secure all appropriate areas.
- b. Storm Condition. Upon receipt of a Storm Warning, the ODO shall:
  - (1) Advise the Air Traffic Control Facility Watch

Supervisor of the storm condition so aircraft can be advised.

(2) Ensure all loose gear is secured or removed from all areas.

### c. Thunderstorm Condition 1

- (1) The Air Traffic Control Facility and NPMOF personnel shall be particularly vigilant when a thunderstorm is near the air station and shall keep the ODO closely informed of the storm's progress.
- (2) The ODO shall terminate fueling and arming operations.

#### d. Tornado Condition 1

- (1) The Air Traffic Control Facility and NPMOF personnel shall be particularly vigilant, and shall keep the ODO immediately informed of tornado activity.
- (2) The ODO shall terminate fueling and arming operations.

## e. Volcano Condition 2

- (1) Wing Commanders and NAS shall determine hangar availability, number of aircraft aboard, prepare hangar plans, and determine the number of aircraft which would be required to evacuate.
- (2) Wing Commanders and NAS shall identify squadrons required to evacuate aircraft if Volcano Condition 1 is set.
- (3) Squadrons and NAS Whidbey shall prepare plans to rapidly move aircraft into the hangars and to evacuate aircraft if necessary.
- (4) All activities shall prepare plans for securing spaces and protecting personnel and equipment.
- (5) Squadrons shall prepare continuation-of-operations contingency plans should NAS Whidbey be forced to close for an extended period.
- (6) All units shall review plans and preparations in the event that Volcano Condition 1 is set on short notice.
- (7) Identified units shall prepare to launch evacuation aircraft on a 2-hour notice.

(8) NAS Whidbey shall prepare to receive transient aircraft evacuated from ashfall-affected military fields if local setting of Volcano Condition 1 is considered unlikely.

### f. Volcano Condition 1

- (1) Wing Commanders and NAS shall coordinate overall hangar and evacuation of aircraft.
- (2) Designated aircraft shall be hangared in accordance with current plans, and all spaces secured in accordance with individual unit plans.
  - (3) Identified units shall evacuate aircraft as directed.
- (4) NAS Whidbey shall evacuate all transient aircraft if possible. Transient aircraft will be hangared only if space is available.
- (5) All activities shall ensure that plans are implemented, and that protection of personnel and equipment is maximized.

#### g. Ice and Snow Condition

- (1) Occupants and primary users of buildings are responsible for initiating the following checks:
- (a) Keep doors and windows closed (especially in hangars).
  - (b) Close drapes and shutters (where applicable).
- (c) Ensure that building heat is left on and that the temperature control is placed at a low setting.
- (d) Allow water to drip from faucets if pipes are unheated.
  - (e) Disconnect all outside hoses and drain hoses.
- (f) Initiate periodic inspections of piping systems for breaks due to freezing. This is especially important in storage spaces that are unoccupied and where administrative spaces are unmanned after working hours.
- $\mbox{\ensuremath{(g)}}$  Report all discrepancies to the Public Works Department.

NASWHIDBEY/NPMOFWHIDBEYINST 3140.1B 28 Feb 2000

- (2) The Public Works Department is responsible for the protection of exterior utility systems and those at the steam plants.
- h. <u>Aircraft Evacuation</u>. In the event weather conditions necessitate the evacuation of aircraft, Type Wing Commanders and NAS Whidbey will identify squadrons required to evacuate as well as dispersal fields.

DATE:	DATE: CONDITIONS OF READINESS									
SET / EXTEND / AMEND	/ CANCEL	SMALL CRA	FT / GALE / ST	ORM						
VALID	(L) TO									
	_ (DIR) AT _ (L) TO									
DATE:										
SET / EXTEND / AMEND	/ CANCEL	THUNDERSTORM 1	TORNADO 1 V	OLCANIC ASH 1						
		THUNDERSTORM 2	TORNADO 2 V	OLCANIC ASH 2						
VALID: (L)	TO	(L)								
THUNDERSTORM 1 ONLY: CURRENTLY LOCATED MOVING (DIR) A	MILES, _	(DIR) FRO		AND ARE						
NAS ODO CALL LIST		DUONE MIMDED	TNITTTA	-						
COMMAND		PHONE NUMBER 7-2631	INITIAI	<u>-</u>						
NAS CDO N33 (RADAR (FWS))		7-2887/IC								
N33 (TOWER)	IC	7-2007/IC								
N32 (AIR TERMINAL)		7-2604/6708								
N34 (GROUND ELECTRON)		7-2004/0708								
N37 (FIRE DEPARTMENT)		7-2181								
N37 (FIRE SCHOOL/OLF)										
FLYING CLUB	679-4									
MAYTAG CORP.		7-2706								
CALL SHEET COMPLETED	BY:		DATE:							
NPMOF CALL LIST										
COMMAND		PHONE NUMBER	INITIAI	- -						
COMVAQWINGPAC CDO		7-1303/202-7735		_						
COMPATRECWING TEN/TSO	2	7-4592/8686								
WING ORD (TSTM ONLY)		7-2779								
NOPF		7-8921								
VR-61		7-6595								
NAS POLICE		7-3312/3127								
NPMOC SD (TSTM & GALE	8-735	-6030/4650								
EOD		7-4480	<del></del>							
NPMOF OPS LCPO (GALE	ONLY)	(SEE RECALL)								

NPMOF WHIDBEY 3140/1 (REV 12-99)

CHECKLIST FOR STORM WARNINGS NASW 3145/8 (Rev. 12-99)				INSTRUCTIONS  1. OBTAIN INITIALS OF PERSON RECEIVING CALL AND ENTER IN APPROPRIATE BLOCK.  2. POOW INITIALS ON COMPLETION OF ALL CALLS.				
INITIALS (POOW)			DATE		TIME			
TYPE FREEZE/SNOW			SMALL CRAFT		ТО	HER		
CONDITIONS DIRECTION		VELOCITY			COMMENCE AT		END	
CALL 24 HOURS A DAY FOR ALL CONDITIONS EXCEPT FOR STORM CONDITIONS 3 AND 4. (DURING NORMAL WORKING HOURS FOR CONDITIONS 3 AND 4)  NOTIFY COMVAQWINGPAC AND COMPATRECWING TEN DUTY OFFICE THAT CONDITIONS HAVE BEEN SET WITHIN 1 HOUR OF ISSUANCE OF GALE WARNINGS AND ABOVE (EXCLUDING FREEZE/SNOW, SMALL CRAFT WARNINGS, AND WIND WARNINGS)								
DEPARTMENT/TENANT ACTIVITY NOTI	FIED	PHONE		INITIALS				
DELYNTHIEL MAN AGAIN THE THE DELYNTHIELD		NO.	FREEZE/ SNOW	SMALL CRAFT	STORM CONDITION TYPE	WIND WARNINGS	VOLCANO CONDITION	POOW's INITIALS
COMMAND DUTY OFFICER (NOTIFIED BY POO	N)							
COMMANDING OFFICER		2037						
EXECUTIVE OFFICER		2037						
CENTRAL HEATING	DAYS NIGHTS	2828 3358						
SECURITY (SHORE PATROL)		3122/7						
AIMD		1571						
PUBLIC WORKS		3348/3						
SUPPLY		2441						
COMMUNICATIONS		2176						
NAVY EXCHANGE (UNTIL 1630) CLOSED SUN & MON		0609						
WEAPONS		8458						
MWR		2420						
NAVHOSP		9500						
SAFETY	DAYS NIGHTS	2630 2426						
COMMISSARY (CLOSED MONDAY)		3318/9						
FASO (UNTIL 1600)		2317						
NAMTD		2733						
ROICC (UNTIL 1630)		2506						
EOD (UNTIL 1530)		4480						
CBU-417 (UNTIL 1700)		8074						
MARINA (AFTER 1630 CALL MWR)		3355					1	